

	Type	L#	Hits	Search Text	DBs	Time Stamp	Comments
14	BRS	L15	12274	PIN near4 diode	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:40	
15	BRS	L16	198582 6	sensor or detector	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:40	
16	BRS	L17	5006	15 and 16	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:40	
17	BRS	L19	2321	15 same 16	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:41	

	Type	L#	Hits	Search Text	DBs	Time Stamp	Comments
18	BRS	L20	85	19 same (cross-talk\$4 or cross adj talk\$4 or interfer\$4 or smear\$4)	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:44	
19	BRS	L21	186706 6	wafer or substrate	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:43	
20	BRS	L22	833	19 and 21	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:44	
21	BRS	L23	776996	cross-talk\$4 or cross adj talk\$4 or interfer\$4 or smear\$4	USPAT; US-PGPU B; EPO; JPO; DERWEN T; IBM_TDB	2003/12/10 18:44	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
22	BRS	L24	355	22 and 23	USPAT; US-PGPU B; EPO; JPO, DERWEN T; IBM_TDB	2003/12/10 18:44	

	Type	Hits	Search Text
1	BRS	63	(gap or space or opening) same ("cross talk" or interference or smear\$4) same ("pixel sensors" or "pixel electrode")
2	BRS	108700	i-layer or intrinsic
3	BRS	21	((gap or space or opening) same ("cross talk" or interference or smear\$4) same ("pixel sensors" or "pixel electrode")) and (i-layer or intrinsic)
4	BRS	3	(pixel adj3 electrode\$3) same (n adj3 doped) same (p adj3 doped) same transparent
5	BRS	236	(i-layer or intrinsic) same (pixel adj electrode\$3)
6	BRS	25	((i-layer or intrinsic) same (pixel adj electrode\$3)) and (image adj sensor)
7	BRS	17	((i-layer or intrinsic) same (pixel adj electrode\$3)) and (image adj sensor)) and (gap or space or opening)
8	BRS	120272	(i-layer or intrinsic or (i adj layer))
9	BRS	388679	(imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens\$4 or detect\$4)
10	BRS	170	(gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 ) same ((i-layer or intrinsic or (i adj layer))) same ((imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens\$4 or detect\$4))
11	BRS	10334	PIN near2 diode
12	BRS	1537971	((cross near2 talk\$4) or interfer\$6 or smear\$6 or nois\$4 or disturb\$4)

DBS	
1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text
13	BRS	0	((PIN near2 diode) near8 (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 ) near8 (((cross near2 talk\$4) or interfer\$6 or smear\$6 or nois\$4 or disturb\$4))) and ((imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens\$4 or detect\$4))
14	BRS	12	(p-dop\$4 or (p adj dop\$4)) near4 (i-dop\$4 or (i adj dop\$4) or intrinsic or i-layer) near4 (n-dop\$4 or (n adj dop\$4)) near4 diode
15	BRS	23	((PIN near2 diode) same (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 ) same (((cross near2 talk\$4) or interfer\$6 or smear\$6 or nois\$4 or disturb\$4))) and ((imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near2 (sens\$4 or detect\$4))
16	BRS	520886	(imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near4 (sens\$4 or detect\$4)
17	BRS	6301972	gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4
18	BRS	11399	(PIN or P-I-N or PI-N or P-IN) near2 diode
19	BRS	1689	((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 )
20	BRS	165962	photosenso\$4 or photodetect\$4 or (photo near2 (sens\$4 or detect\$4))
21	BRS	237	((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 ) and (photosenso\$4 or photodetect\$4 or (photo near2 (sens\$4 or detect\$4)))
22	BRS	354	((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 ) and ((imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near4 (sens\$4 or detect\$4))

	DBs
13	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
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16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text
23	BRS	49	((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 )) and (photosenso\$4 or photodetect\$4 or (photo near2 (sens\$4 or detect\$4))) not (((PIN or P-I-N or PI-N or P-IN) near2 diode) same (gap\$4 or spac\$4 or open\$6 or slit\$4 or crack\$4 )) and (imag\$4 or light\$4 or UV or ultraviolet or ultra-violet or IR or infrared) near4 (sens\$4 or detect\$4)))

	<b>DBs</b>
23	USPAT